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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/728,767	12/08/2003	Tzu-Hsuan Hsu	SUND 492	1081
23995	7590	01/25/2005	EXAMINER	
RABIN & Berdo, PC 1101 14TH STREET, NW SUITE 500 WASHINGTON, DC 20005				LE, THAO P
		ART UNIT		PAPER NUMBER
		2818		

DATE MAILED: 01/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/728,767	HSU ET AL.	
	Examiner Thao P. Le	Art Unit 2818	

-- The MAILING DATE of this communication app ars on th cover sheet with th correspond nc address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 30 November 2004.
 2a) This action is **FINAL**. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-36 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) _____ is/are rejected.
 7) Claim(s) 1-9 and 20-26 is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on 12/13 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

Thao P. Le

1) Notice of References Cited (PTO-892)
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
 Paper No(s)/Mail Date _____

4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____

5) Notice of Informal Patent Application (PTO-152)

6) Other: _____

DETAIL ACTION

This application is in condition for allowance except for the following formal matters:

1/ Election/Restriction:

Examiner confirms that Applicants elected to prosecute Claims 1-9, 20-26 without prejudice. Applicants are suggested to cancel non-elected claims. Applicants have a right to file divisional, continuation, continue-in-part covering the subject matter of non-elected claims.

2/ Drawings:

The drawings are objected to under 37 CFR 1.83(a) because they fail to show signs/numerals as described in the specification. Any structural detail that is essential for a proper understanding of the disclosed invention should be shown in the drawing. MPEP § 608.02(d).

Reference signs/numerals 142a, 142b are not included in Fig. 1 (as mentioned in line 13, page 2).

Reference sign/numeral 244 are not included in Fig. 2A (as mentioned in line 5, page 7).

Reference signs/numerals 242a, 242b are not included in Fig. 2A (as mentioned in line 15, page 7).

Reference signs/numerals 231a, 231b (necks) are not included in Fig. 2A (as mentioned in pages 7-8, paragraph 0021). Should Figs. 2G-2H are mentioned in paragraph 0021?

See 37 CFR § 1.84p. Correction is required.

3/ Claim Objections:

Claim 1, 20 are objected to because of the following informalities:..

In claim 1, "the first polysilicon layer and the second polysilicon layer" should be changed to --- the word lines and bit lines--- or --- the N-type heavily doped (N+) polysilicon layer and the P-type lightly doped (P-) polysilicon layer---

In claim 20, "a plurality of parallel, separated bit line sections" mentioned right after "a plurality of parallel, separated word lines which are defined on the isolated SiO2 layer" and "a plurality of parallel, separate bit lines" mentioned right before "a second oxide layer" are the same or different? If they are different bit line sections, then they should be distinguished as "first" and "second". Claim 20 should be amended to define the subject matter which applicants regard as the second embodiment shown in Fig. 3F.

Reasons for Indication of Allowable Subject Matter

Claims 1-9, 20-26 would be allowed. The following is an examiner's statement of reason for allowance: None of the references of record teaches or suggests the claimed

limitations having a three dimension polysilicon ROM comprising, among other features as cited in independent claims 1 and 20, a neck structure of dielectric material which is formed between the wordlines and bitlines.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

When responding to the office action, Applicants' are advised to provide the examiner with the line numbers and page numbers in the application and/or references cited to assist the examiner to locate the appropriate paragraphs.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thao P. Le whose telephone number is 571-272-1785. The examiner can normally be reached on M-T (7-6).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on 571-272-1787. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Thao P. Le

Art Unit 2818

1/20/2015